

# Ebalta SG 130 / PUR 11

Polyurethane  
Ebalta Kunststoff GmbH

Message:

This is a Polyurethane system.  
Material should be carefully stirred up/shaked before use.  
Filler content and sales units are on the separate mixing table noted.

- Applications
- Foundry patterns
  - Core boxes
  - Negatives
  - Prototypes
  - Vacuum forming tools
  - Coping models
  - Mould probes for trimming of prototypes
- Properties
- unfilled
  - impact resistant
  - high strength

General Information			
Features	Fast Cure		
	Good Impact Resistance		
	High Strength		
Uses	Prototyping		
Appearance	Ivory		
Processing Method	Casting		
Hardness	Nominal Value		Test Method
Shore Hardness (Shore D)	70 to 74		ISO 7619
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus	900 to 1100	MPa	ISO 178
Flexural Stress	55.0 to 65.0	MPa	ISO 178
Compressive Stress	42.0 to 52.0	MPa	ISO 604
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	24 to 29	kJ/m²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	81.0 to 87.0	°C	ISO 75-2/B
Thermoset	Nominal Value	Unit	
Thermoset Components			
Mix Ratio by Volume: 100			
Hardener	Mix Ratio by Weight: 100		

Mix Ratio by Weight: 100

Resin	Mix Ratio by Volume: 100	
Uncured Properties	Nominal Value	Unit
Density (20°C)	1.08 to 1.12	g/cm <sup>3</sup>
Viscosity (25°C)	0.055 to 0.095	Pa·s
Curing Time (20°C)	0.50 to 1.5	hr
Pot Life <sup>1</sup> (20°C)	2.5 to 3.5	min
NOTE		
1.	200 g	

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#### Recommended distributors for this material

### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

